

Work Order ID 141123

141123

Page 1

Tuesday, January 26, 2016 1:49:45 PM

Item ID: D2856-400

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Abrasion Strip 4" Wide (Per Foot)

Start Date: 1/26/2016 Start Qty: 216.00

216

Cust Item ID:

Required Date: 2/2/2016 Req'd Qty: 216.00

216

Customer:

Reference:

Approvals: Process Plan: MLS

Date: **JAN 26 2016** Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2856	Rev A								
100		0.00							DAS
100	PURCHASING								13
Purchasing	Memo	0.00							9-89
Purchasing	Issue P/O: <u>31190</u> Material: Outdoor grade polyurethane protective clear tape 3M P/N 8681 (or 8681HS) - 108 foot rollSpecify for Clear Tape								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.07							
Packaging	Ensure material certification is attached								
120	QC6- Inspect dimensions to drawing	0.00							DAS
120									38
QC	Memo	0.00							9-89
Quality Control	Ensure Material certification comply to Dwg D								

216 ft

JAN 29 2016

216 ft

DAS
6
9-89

FEB 04 2016

216

FEB 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐											
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval							
Description Work Order Deviation				Disposition											
<table border="0" style="width:100%;"> <tr> <td style="width:25%; vertical-align: top;"> Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width:25%; vertical-align: top;"> ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due </td> <td style="width:25%; vertical-align: top;"> ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter </td> <td style="width:25%; vertical-align: top;"> FAULT CATEGORY ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes </td> <td style="width:25%; vertical-align: top;"> ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center </td> <td style="width:25%; vertical-align: top;"> ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence </td> </tr> </table>										Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due	☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter	FAULT CATEGORY ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes	☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center	☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence
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☐ OTHER : _____															

Work Order ID 141123***141123***

Page 2

Item ID: D2856-400

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Abrasion Strip 4" Wide (Per Foot)

Start Date: 1/26/2016 Start Qty: 216.00

216

Cust Item ID:

Required Date: 2/2/2016 Req'd Qty: 216.00

216

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: *ST416*

0.00

130

Packaging

Memo

0.04

Packaging

*** EXPIRED DATE

2/16
DAS
6
9-89

FEB 0 5 2016

FEB 0 4 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.36

Quality Control

MCS

FEB 0 8 2016

FEB 0 8 2016

MCS

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : ☐					

Picklist Print

Tuesday, January 26, 2016 1:49:50 PM

Page 1

Work Order ID: 141123

141123

Parent Item: D2856-400

D2856-400

Parent Item Name: Abrasion Strip 4" Wide (Per Foot)

Start Date: 1/26/2016

Required Date: 2/2/2016

Start Qty: 216.00

Required Qty: 216.00

Comments: IPP D02.08.28Re-format; Added clear & 108 foot roll to Step 2KJ/RF

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
3M8681-4		Purchased	No			110	f	0.0000	1	216			

3M8681-4

Abrasion Strip 4"

**

DAS
8
9-89

FEB 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

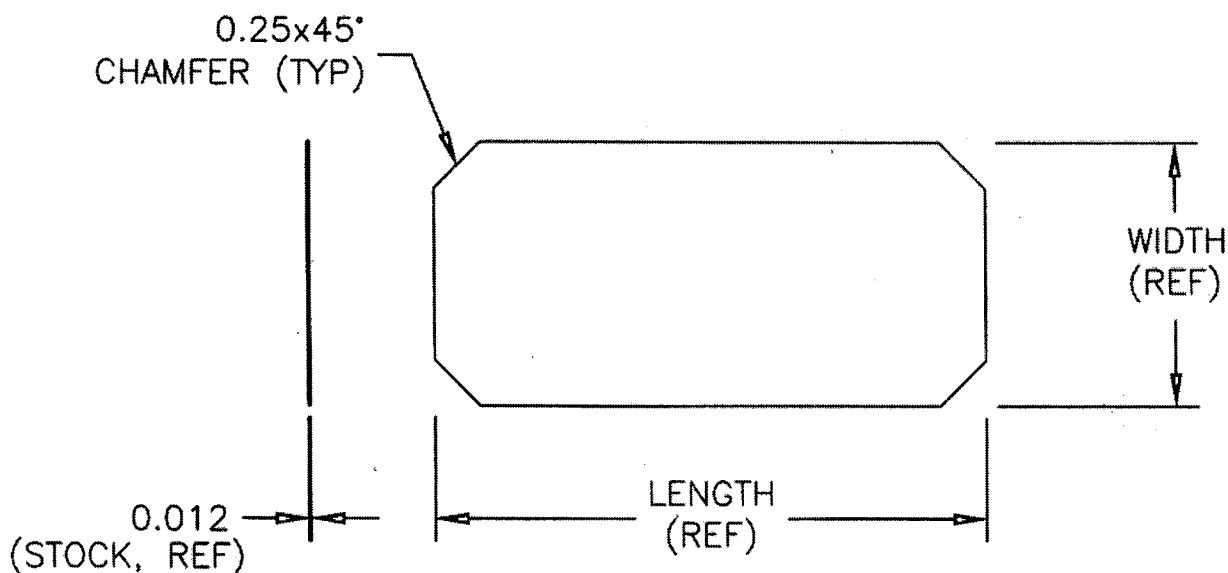
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
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		OTHER : ☐			



DESIGN UP	DRAWN BY UP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED A	APPROVED A	DRAWING NO. D2856	REV. A SHEET 1 OF 1
DATE 00.11.17		TITLE ABRASION STRIP	SCALE NTS
A	00.11.17	NEW ISSUE	

RELEASED
00.11.24

SPECIFICATION CONTROL DRAWING



MATERIAL: OUTDOOR GRADE POLYURETHANE PROTECTIVE TAPE
3M, P/N 8681 (OR 8681HS)
THICKNESS: 0.012"

SPECIFICATION: D2856-XXX-YYY ABRASION STRIP

WIDTH
LENGTH

EG: 1.75"x2.50" ABRASION STRIP = D2856-175-250

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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141123 MUR
16-01-26
SPEC COPY
FOR INFO
DATE 17/10/00
UNCONTROLLED COPY
SUBJECT TO CURRENT
REVISIONS

3M PACKING LIST

P.O. NUMBER 0045343951

Wed Dec 02 14:41:11 CST 2015



OFFICE USE

INVOICE #: UH01242

SHIP FROM LOC: AR

WAVE #:

WORKLIST ID #:

EMPLOYEE #:

PRINTING #: 1

FORM #: A1

CUSTOMER ORDER DATE: 12/02/2015

SHIP DATE:

ORIGINAL INVOICE #:

SHIP TO:

AVIALL INC
DISTRIBUTION SERVICES
2750 REGENT BLVD
DALLAS, TX 75261-4405

CHARGE TO:

AVIALL SERVICES INC
PO BOX 619048
DALLAS, TX 75261-9048

THIS PACKING LIST CONTAINS

Pieces: 6
Weight: 60.00

MARK SHIPPING LABEL:

LINE NBR	YOU ORDERED	SHIPPED	BACK ORDERED	BILL UNIT	UPC / 3M-ID	PRODUCT	TOT LINE WEIGHT	TOTAL PIECES
000010	12	12		RLS	0-00-21200-24987-7	PT# 021200-24987=27 8681HS TRANSPARENT SKIP SLIT 4 X 36 YD BULK 70-0061-9289-5	60.00	6

NOTES:

CUST PO RELEASE NBR: 0
QUESTION? CALL YOUR 3M CUSTOMER SERVICE PROVIDER:
KIA XIONG 3M AEROSPACE BLDG 225-05-S-14
SAINT PAUL MN 55144-3224
PHONE (800) 235-2376 FAX (800) 435-3082

ITEM 021200-24987=27



BATCH 7364156341



NANUARIO
12/31/15

Thank you for your order

PAGE

1 of 1

Thank you for your order

AVIALL TRUE CERTIFIED COPY 12/02/2015, Ship # 8002734641, L. # 2017364156341, Qty: 2, LCPO: 31190



Certificate of Lot Conformance

3M ABERDEEN TAPE
610 BROWN COUNTY 19 N
ABERDEEN SD 574013334 US

AVIALL INC DISTRIBUTION SERVICES
2750 REGENT BLVD
DALLAS TX 752614405

Date certificate is prepared: Dec-23-2015

The 3M product listed below was produced in accordance with standard manufacturing processes for the product in effect at the time of manufacture.

3M Invoice Number UHI01242		Customer PO Number 0045343961	Customer Part Number 021200-24987=27
3M Stock Number 70-0061-9289-5 UPC Number 00021200249877	Product Description 8681HS TRANSPARENT SKIP SLIT 4 X 36 YD BULK		
Shelf Life 24 MONTHS FROM DATE OF MFG		Storage Condition for this Product GENERAL WAREHOUSE STORAGE (<+27C/80F)	

Lot Number: 5350

Date of Manufacture: Dec-16-2015

Please contact your 3M Customer Service Representative if you have any questions.

Warranty and Limited Remedy: Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable 3M specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is shown to be nonconforming within the warranty period, your exclusive remedy and 3M's sole obligation will be, at 3M's option, to replace the nonconforming 3M product or refund the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

This certificate or any information contained in it does not amend or change any applicable 3M terms and conditions of sale.

Authorized by: Nicole Potts 	Title: QA Tech	Date Signed: Dec-23-2015
--	--------------------------	------------------------------------



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31190

Purchase Order Date 1/29/2016

PO Print Date 1/29/2016

Page Number 1 of 7

Order From :

AVIALL
PO BOX 842275

DALLAS, TX 75284-2275
USA

VU-AVI003

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

JAN 29 2016

Contact Name

Vendor Phone 905-676-1695

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	MS20600-AD4W3	Cherry Rivets	2/5/2016 Yes 2/5/2016		200.00 Each	\$0.18	\$36.3
Line Total:							\$36.3
2	156003-6D0274	Hose Assembly	2/5/2016 Yes 2/5/2016		4.00 Each	\$209.38	\$837.5
Line Total:							\$837.5
3	3M8681-4	Abrasion Strip 4"	2/5/2016 Yes 2/5/2016		216.00 f	\$6.59	\$1,424.1
Line Total:							\$1,424.1

AS PER DWG D4121 REV. D
B141290

AS PER DWG D2856 REV. A
B141123
EXP DATE: 10/20/2017 (631 DAYS)

PO Instructions: Fedex Acc#151793240

Note: